

ew 300 ^{G3} Vocal Set

RF Wireless Systems | evolution wireless G3

System variants and included components:

- ew 335 G3 – (1) SKM 300 G3 handheld transmitter, (1) ^{E835} dynamic cardioid capsule, (1) EM 300 G3 rack-mountable receiver, (1) MZQ 1 microphone clip, (1) GA 3 rack-mount kit
- ew 345 G3 – (1) SKM 300 G3 handheld transmitter, (1) ^{E845} dynamic super-cardioid capsule, (1) EM 300 G3 rack-mountable receiver, (1) MZQ 1 microphone clip, (1) GA 3 rack-mount kit
- ew 365 G3 – (1) SKM 300 G3 handheld transmitter, (1) ^{E865} condenser super-cardioid capsule, (1) EM 300 G3 rack-mount receiver, (1) MZQ 1 microphone clip, (1) GA 3 rack-mount kit

For recommended accessories please visit www.sennheiserusa.com



Features

- Sturdy metal housing
- Automatic frequency management for transmitter and receiver
- Tunable UHF frequencies within a large switching bandwidth
- Wireless microphone with a quick-change microphone head from the ^{E800} series
- Large range of replaceable microphone heads from the successful evolution series
- Wireless synchronization of transmitters via infrared interface
- Enhanced frequency bank management with up to 24 compatible frequencies
- Programmable MUTE switch (PTT, PTM)
- Transmitter telemetry to receiver provides capsule info, sensitivity & Tx Type
- 42 MHz bandwidth, 1,680 switchable frequencies
- Increased range for audio sensitivity
- Easy-to-read illuminated dot matrix display with dual color warning indicator
- More control options (menu)
- Enhanced AF frequency range
- Soundcheck mode
- Integrated equalizer
- Contacts for recharging the BA 2015 accupack directly in the transmitter
- (2) AA batteries for over 8 hours of use
- 4-level battery indicator for transmitter
- HDX compander for crystal-clear sound
- True diversity receiver for optimum reception
- High RF output power for large range
- Suitable for 19" rack mounting (1 U)
- Switchable RF output power (10/30 mW)
- Integrated RJ45 for remote control/monitoring via Wireless Systems Manager (WSM)

General Description

This system is ideal for vocal applications. The SKM 300 G3 handheld transmitter as and the EM 300 G3 rack-mountable receiver each features 20 frequency banks with 6 user banks and 24 directly accessible frequency presets. Each system is ready for immediate use.

Technical Specifications

ew 300 ^{G3}

Modulation..... wideband FM
 Frequency ranges 516–558, 566–608,
 626–668, 734–776, 780–822, 823–865
 Transmission/Receiving
 frequencies 20 channel banks, 6 user banks,
 24 factory preset channels each
 Switching bandwidth..... 42 MHz
 Noise reduction system..... Sennheiser HDX
 AF frequency response 25 – 18,000 Hz
 S/N ratio (at 1 mV and peak deviation) ..≥ 115 dBA
 THD (at nominal deviation and 1 kHz) ≤ 0.9 %

EM 300 ^{G3}

Receiver principle..... True Diversity
 Sensitivity (with HDX,
 peak deviation) <2 µV at 52 dBA_{eff} S/N
 Adjacent channel rejection ≥ 75 dB
 Intermodulation attenuation ≥ 70 dB
 Blocking ≥ 75 dB
 Pilot-tone squelch..... detachable
 Antenna inputs 4 BNC sockets
 AF output voltage (at peak
 deviation, 1 kHz AF)..... 1/4" (6.3 mm) jack socket,
 unbalanced: +12 dBu XLR socket,
 balanced: +18 dBu
 Power supply 12 V DC
 Dimensions 7.95" x 8.35" x 1.69"
 Weight approx. 2.16 lbs

SKM 300 ^{G3}

RF output power at 50 Ω typ. 30/10 mW,
 switchable
 AF frequency response 80 – 18,000 Hz
 Power supply 2 AA batteries, 1.5 V
 Nominal voltage..... 2.4 V
 Operating time typ. 8 h
 Dimensions Ø 1.97" x 10.43"
 Weight approx. 15.87 oz

ew 300 G3 Vocal Set

ew 300 Vocal Set

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Architect and Engineering Specifications

The wireless microphone system shall feature a true-diversity receiver with 42 MHz of available tuning bandwidth with a total of 1,680 frequencies accessible in 25 kHz steps. The wireless microphone receiver must feature one Balanced XLR output with a max. output of +18 dBu, and one unbalanced 1/4" output with a max. output of +12 dBu. The wireless microphone receiver must feature two BNC antenna inputs, one for each receiver module in the true diversity system. The wireless microphone receiver must feature a backlit display that displays AF and RF levels, battery telemetry from the transmitter, operating frequency, and diversity switching information. The wireless microphone receiver must feature an automatic frequency scanning function that utilizes eight banks of pre-coordinated frequencies that are free of intermodulation interference. The wireless microphone receiver must also feature a user bank in order to store user defined frequencies. The wireless microphone transmitter must operate on two 1.5V AA battery cells. The wireless microphone transmitter must have access to 1,680 frequencies tuned in 25 kHz steps across a defined 42 MHz bandwidth. The wireless microphone transmitter must feature a backlit display that displays frequency information, AF level, battery level. The wireless microphone transmitter must transmit a pilot-tone squelch. The wireless microphone transmitter must have a specified RF output power of 30mW. The wireless microphone receiver must accept 12V DC power via BNC antenna inputs.

Limited Product Warranty/Service

Sennheiser Electronic Corporation extends the following limited product warranty for Sennheiser products:

The warranty period for all covered Sennheiser products is two years from the date of purchase. Not covered by this warranty are accessories and other consumables; for example, items of wear and tear, such as cables. During the warranty period, Sennheiser Electronic Corporation warrants that the Sennheiser equipment will be free from defects in materials and workmanship used in making the product. Abnormal conditions, deliberate abuse and damage due to accidents, operator's error, or unauthorized service attempts are excluded from any warranty claims. Under this warranty, Sennheiser Electronic Corporation will repair, or at its option, replace free of charge the covered defective Sennheiser product, provided it is returned (postage paid, with proof of purchase from the original seller) to a Sennheiser Service Facility. Products should be returned in their original package, or otherwise suitably protected to avoid shipping damage. Either product registration or a valid, dated proof of purchase is accepted to establish the warranty period. The Sennheiser Service Department will be the sole authority to determine the validity of all warranty issues.

This Limited Product Warranty is Sennheiser Electronic Corporation's only warranty, and the customer's only remedy concerning Sennheiser products. All other representations and warranties, express or implied, written or oral, including, but not limited to, any warranties of merchantability, fitness for a particular purpose, or non-infringement, are expressly excluded. As a result, except as set forth in the previous paragraphs, the product is sold "as-is" and the customer is assuming the entire risk as to the product's suitability for his needs, its quality and its performance.

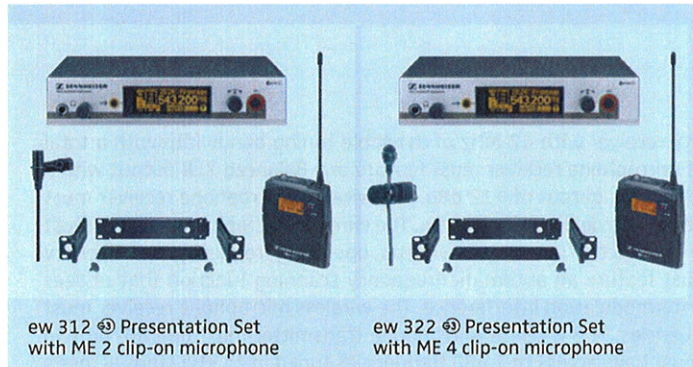
In no event will Sennheiser Electronic Corporation be liable for direct, indirect, special, incidental or consequential damages resulting from any defect in the product or from its use, even if advised of the possibility of such damages.

ew 300 G3 Presentation Set

RF Wireless Systems | evolution wireless G3

General Description

This system is ideal for hands-free vocal and speech applications, and is particularly well-suited for on-stage performers. The systems include either an ME 3 omni-directional lavalier microphone or an ME 4 cardioid lavalier microphone. The extremely small SK 300 G3 bodypack transmitter and EM 300 G3 rack-mountable receiver each features 20 frequency banks with 6 user banks and 24 directly accessible frequency presets. Each system is ready for immediate use.



ew 312 G3 Presentation Set
with ME 2 clip-on microphone

ew 322 G3 Presentation Set
with ME 4 clip-on microphone

System variants and included components:

- ew 312 G3 – (1) SK 300 G3 bodypack transmitter, (1) ME 2 omni-directional clip-on microphone, (1) EM 300 G3 rack-mountable receiver, (1) GA 3 rack-mount kit
- ew 322 G3 – (1) SK 300 G3 bodypack transmitter, (1) ME 4 cardioid clip-on microphone, (1) EM 300 G3 rack-mountable receiver, (1) GA 3 rack-mount kit

For recommended accessories please visit www.sennheiserusa.com

Features

- Sturdy metal housing
- PC-supported frequency management for transmitter and receiver
- Tunable UHF frequencies within a large switching bandwidth
- Bodypack transmitter with programmable MUTE function, optional external activation
- Headset microphone with optimized acoustics
- Ethernet port for connecting to the Wireless Systems Manager (WSM) software for control via computer – this delivers a good overview of monitoring and professional data management for multi-channel systems
- Wireless synchronization of transmitters via infrared interface
- Enhanced frequency bank management with up to 24 compatible frequencies
- 42 MHz bandwidth, 1,680 switchable frequencies
- Increased range for audio sensitivity
- Easy-to-read illuminated dot matrix display with dual color warning indicator
- More control options (menu)
- Enhanced AF frequency range
- Soundcheck mode
- Integrated equalizer

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Technical Specifications

ew 300 G3

Modulation.....wideband FM
Frequency ranges516–558, 566–608,
.....626–668, 734–776, 780–822, 823–865
Transmission/Receiving
frequencies20 channel banks, 6 fixed banks,
.....24 factory preset channels each
Switching bandwidth.....42 MHz
Noise reduction system.....Sennheiser HDX
AF frequency response25 – 18,000 Hz
S/N ratio (at 1 mV and peak deviation)≥ 115 dBA
THD (at nominal deviation and 1 kHz)≤ 0.9 %

EM 300 G3

Receiver principle.....True Diversity
Sensitivity (with HDX,
peak deviation).....< 2 µV at 52 dBA_{eff} S/N
Adjacent channel rejection≥ 75 dB
Intermodulation attenuation≥ 70 dB
Blocking≥ 75 dB
Pilot-tone squelch.....detachable
Antenna inputs4 BNC sockets
AF output voltage (at peak
deviation, 1 kHz AF).....1/4" (6.3 mm) jack socket,
.....unbalanced: +12 dBu XLR socket,
.....balanced: +18 dBu
Power supply12 V DC
Dimensions7.95" x 8.35" x 1.69"
Weightapprox. 2.16 lbs

SK 300 G3

RF output power at 50 Ωtyp. 30/10 mW,
.....switchable
AF frequency response25 – 18,000 Hz (Line)
.....80 – 18,000 Hz (Mic)
Max input voltage transmitter / line3 V_{eff}
Input impedance transmitter / line40 kΩ,
.....unbalanced / 1 MΩ
Power supply2 AA batteries, 1.5 V
Nominal voltage2.4 V
Operating timetyp. 8 h
Dimensions3.23" x 2.52" x 0.94"
Weightapprox. 5.64 oz

ME 2

Transducer principle.....condenser
Sensitivity20 mV/Pa
Pick-up patternomni-directional
Max. SPL130 dB SPL

ME 4

Transducer principle.....condenser
Sensitivity40 mV/Pa
Pick-up patterncardioid
Max. SPL120 dB SPL

ew 300 G3 Presentation Set

ew 300 Presentation Set

RF Wireless Systems | evolution wireless G3

Features (continued)

- Switchable RF power (10/30 mW)
- Programmable MUTE switch
- Optional RMS 1 (Remote Mute Switch)
- Contacts for recharging the BA 2015 accupack directly in the transmitter
- (2) AA batteries for over 8 hours of use
- 4-level battery indicator for transmitter
- HDX compander for crystal-clear sound
- True diversity receiver for optimum reception
- Includes installation kit for 19" rack mounting (1 U)

Architect and Engineering Specifications

The wireless microphone system shall feature a true-diversity receiver with 42 MHz of available tuning bandwidth with a total of 1,680 frequencies accessible in 25 kHz steps. The wireless microphone receiver must feature one Balanced XLR output with a max. output of +18 dBu, and one unbalanced 1/4" output with a max. output of +12 dBu. The wireless microphone receiver must feature two BNC antenna inputs, one for each receiver module in the true diversity system. The wireless microphone receiver must feature a backlit display that displays AF and RF levels, battery telemetry from the transmitter, operating frequency, and diversity switching information. The wireless microphone receiver must feature an automatic frequency scanning function that utilizes eight banks of pre-coordinated frequencies that are free of intermodulation interference. The wireless microphone receiver must also feature a user bank in order to store user defined frequencies. The wireless microphone transmitter must operate on two 1.5V AA battery cells. The wireless microphone transmitter must have access to 1,680 frequencies tuned in 25 kHz steps across a defined 42 MHz bandwidth. The wireless microphone transmitter must feature a backlit display that displays frequency information, AF level, battery level. The wireless microphone transmitter must transmit a pilot-tone squelch. The wireless microphone transmitter must have a specified RF output power of 30mW. The wireless microphone receiver must accept 12V DC power via BNC antenna inputs.

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